A EM — F.Y.I

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SECRET

DCILC

SPEED LETTER

REPLY REQUESTED	DATE
YES ☐ NO ☐	16 December 1970
	LETTER NO.

TO : Executive Director, NPIC

ATTN:

FROM: Chief, Production Services Group

John:

The attached package represents a requirement recently levied on AID by IAS to provide 500 manhours of programming support. We accepted the job initially but have subsequently been plagued with reservations, primarily because of the apparent low priority of the task in respect to truly National requirements along with the departmental flavor of the request.

To date we have expended fifty hours against the overall 500 manhour estimates and expect to finish about 1 March 1971.

The reason we pass this along to you is to appraise you of some of the support the Center provides IAS and to seek your guidance for future deliberations on requirements of this nature. I would like, at your convenience, to discuss this with you.

Attachments:
(1) IAS Requirement
(2) AID/PSG response
(3) AID Memorandum elaborating on task, with flow charts

25X1

SIGNATURE

REPLY

DATE

Ch PSG - C
Anytime

Declass Review by NIMA/DOD

SIGNATURE

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RETURN TO ORIGINATOR

SECRET

FORM 5-67 1831 USE PREVIOUS EDITIONS

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25X1

ATTACHMENT TO

REQUEST FOR NPIC SUPPORT 2053

READ INSTRUCTIONS ON REVERSE BEFORE COMPLETING FORM

2. REQUESTING AGENCY	3. DATE PREPARED	4. DATE REQUIRED
CIA/IAS Oct 21 2 28 PM '70	20 October 1970	1 March 1971
5. OFFICE	**6. PHONE NO.**	**7. REQUESTER'S CONTROL NO.**
25X1 SID		451875 25X1
8. REQUESTING OFFICER	**9. SUGGESTED JOB TITLE**	
	SID Point-Plots Listing	
10. BE NO.	**11. COUNTRY CODE**	
None	None	

12. DESCRIPTION OF REQUIREMENT AND BACKGROUND INFORMATION

1. SID needs the Point-Plot Listings for the following reasons:
   a. The majority of the targets on the attached forms are industrial in nature and cannot be included in present listings without also including hundreds of similar targets in the same category.
   b. Many of the installations on the attached lists are targets of interest only to IAS. They do not have COMIREX or NPIC numbers. As a result these installations are not carried in the standard listings. (This particularily true of targets located outside the Sino-Soviet Bloc).
2. The requested listing from the Point-Plot Program should save SID/IAS about 48 25X1 hours of work [redacted] More importantly we would be able to determine if our targets had been covered on a given mission.
3. We have been advised that this request will require only a minor change in the 25X1 Point-Plot Program.
4. This request has been discussed with M [redacted] 25X1

25X1 SPECIFIC REQUIREMENT

1. SID requests a daily and summary target listing in Pass/Frame order of [redacted] missions from the Point-Plot Program.
2. The targets to be included in the listings, along with their SID code numbers and coordinates can be found on the attached forms.
3. SID requests that we be provided with two copies of target listing.

25X1

[redacted]

25X1 # 1

[redacted]

FOR NPIC RAD USE ONLY

FOR NO. DISSEMINATION DATE REQUEST NO.

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[redacted]

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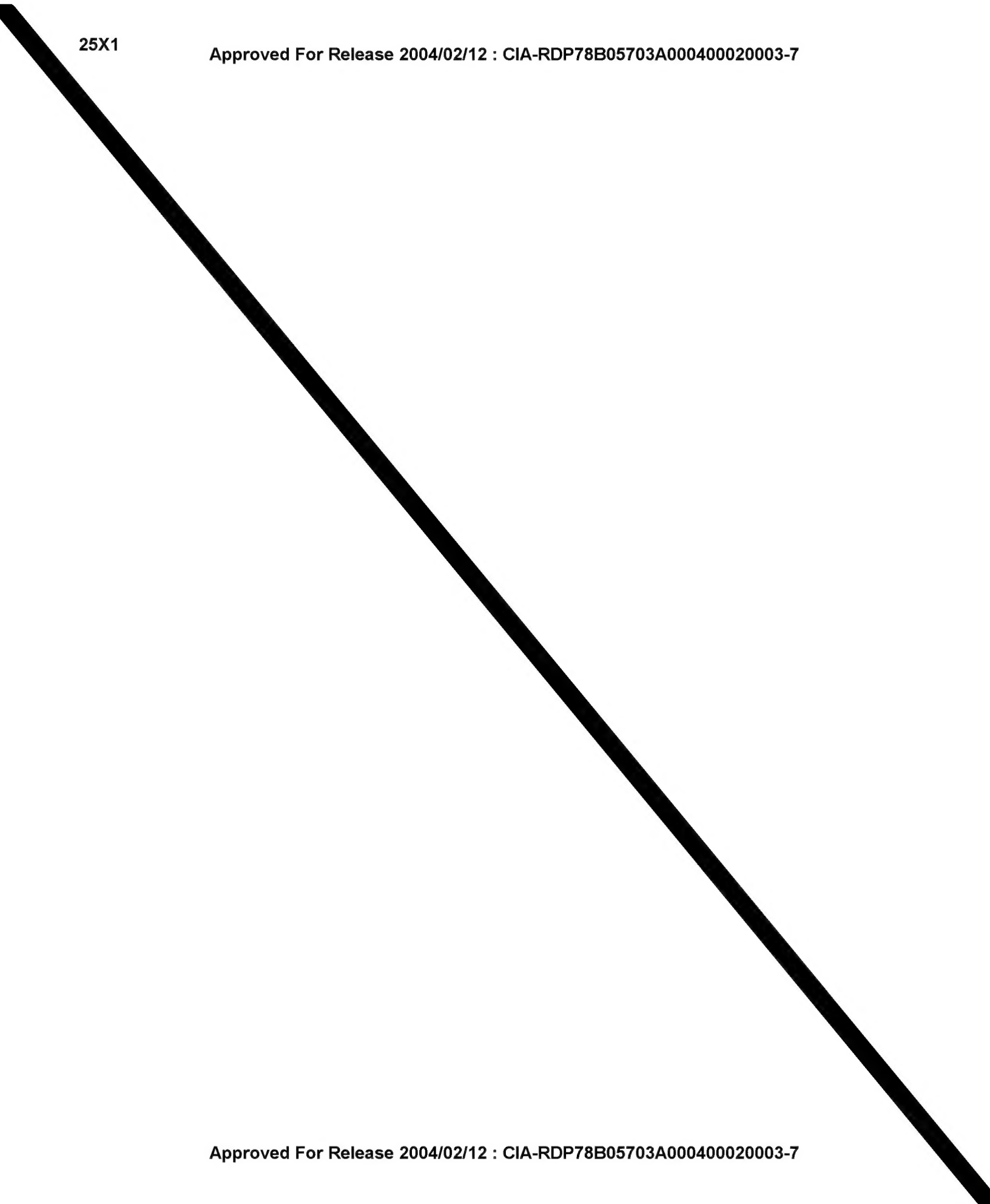

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25X1 [redacted] 25X1

[redacted] 25X1

16 November 1970

Copy No. ___

MEMORANDUM FOR: Director, IAS/CIA

ATTENTION: [redacted] 25X1

THROUGH: Chief, Production Services Group, NPIC

SUBJECT: Request for NPIC Support, dated 20 October 1970, NPIC Project Number 451993

1. Subject request asking for programming support to generate Point-Plot listings for SID/IAS has been accepted as an AID task. The support will consist of a modification to the current plot point program plus a relatively simple report generation program and file maintenance program. It is estimated that this task will require 500 programmer manhours to complete. Estimated start date is 1 November 1970 with a completion date of 1 March 1971.

2. An interim process has been devised so that IAS will be able to receive minimal support beginning with [redacted] 25X1 25X1

3. Any further questions on this task may be directed to Mr. [redacted] Chief, Information Systems Branch/AID, [redacted] 25X1

25X1

[redacted] 25X1

Chief, Automated Information Division
PSG/NPIC

Attachment: Request for NPIC Support

Distribution:
Cys 1&2 - CIA/IAS w/1/att
3 - NPIC/PSG wo/att
4&5 - NPIC/PSG/AID wo/att
6&7 - NPIC/PSG/AID/SIS wo/att

25X1

GROUP 1
Excluded from automatic downgrading and declassification

TOP SECRET [redacted]

#2

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PROGRAMMING REQUIREMENT - SID POINT PLOT LISTINGS (Predicted Target Lists)
(For Scientific and Industrial Division, IAS/SID)

PROBLEM: The Scientific and Industrial Division of IAS is required to perform photo interpretation services for targets which are either: (1) not included in the existing Installations Data File; or (2) cannot be selectively predicted through use of existing IIS software. They are therefore requesting a Target Prediction System to complement their photo interpretation production processes in this area.

INTERIM PROCESS [redacted] The flowchart on page 4 indi- 25X1
cates how the prediction program (IASPECPRED) was interfaced with other available programs to produce the required listings. To do this, IAS had cards keypunched for the targets they wanted included in the prediction process. These cards were subsequently copied to tape in a format acceptable to the prediction program and sorted using 490 S'CONTROL due to the unusual sort sequence, not possible using SORT494. After IASPECPRED had been run, the output was again sorted and listed using RGEN494 to produce the prediction listings.

SHORTCOMINGS OF THE INTERIM PROCESS: There are three problem areas in the interim process:

1. The prediction listings possible using the interim process contain only the category number and pass/frame of coverage due to the design of the prediction program. IAS has requested that the title (installation identification) also be printed on the prediction listings for ease of

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"target identification". This is not possible with the interim process.

2. Any changes to their target file can only be accomplished by maintaining their card file of approximately 2000 targets, and re-creation of the target tape file prior to the mission.

3. The need for a S%CONTROL sort after any change to the target file requires scheduling of the REX executive. Although this file maintenance, recreation and sort should normally occur only once prior to each [redacted] it could conceivably be required more often due to errors found during mission readout, and thus could cause some difficulty in scheduling.

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PROPOSED SYSTEM: The SID Point Plot Listings can best be provided by the addition of two new programs to the system as depicted in the flowchart on page 5. (With this arrangement, no changes would be required of our Prediction Program.)

The first program would be a maintenance program to create and update a file of selected targets on magnetic tape, edit the target data, and create the properly sequenced input for the prediction program. (This would eliminate the problems of maintaining a card file, and having to schedule the 490 REX sort program.)

The second program would match the targets predicted by IASPREDPRED to the master target tape file to produce sequenced and formatted prediction listings containing all of the required target identification data requested by IAS/SID.

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MANHOUR REQUIREMENTS:

A. IAS had originally estimated their cost savings to be about 48 manhours for each [ ] bucket processed. After the interim process had been made available to them, however, this estimate was revised upward to 100 manhours per bucket. 25X1

B. The ISB manhours estimated for the required programming services is 500, however this figure reflects the time of two new and relatively inexperienced programmers.

C. Considering the above, the savings vs. programming cost ratio appears favorable and we recommend continuing the project.

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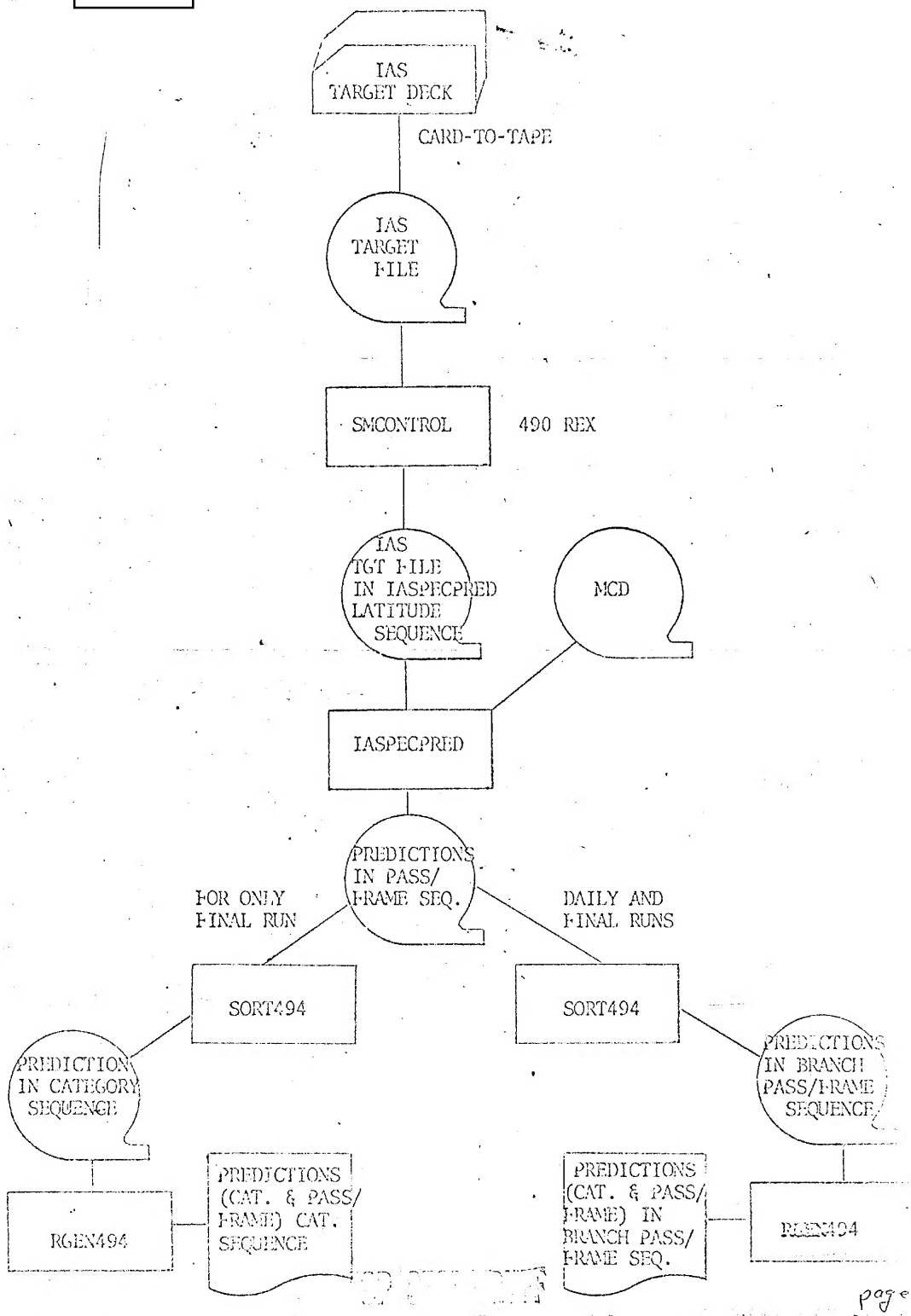

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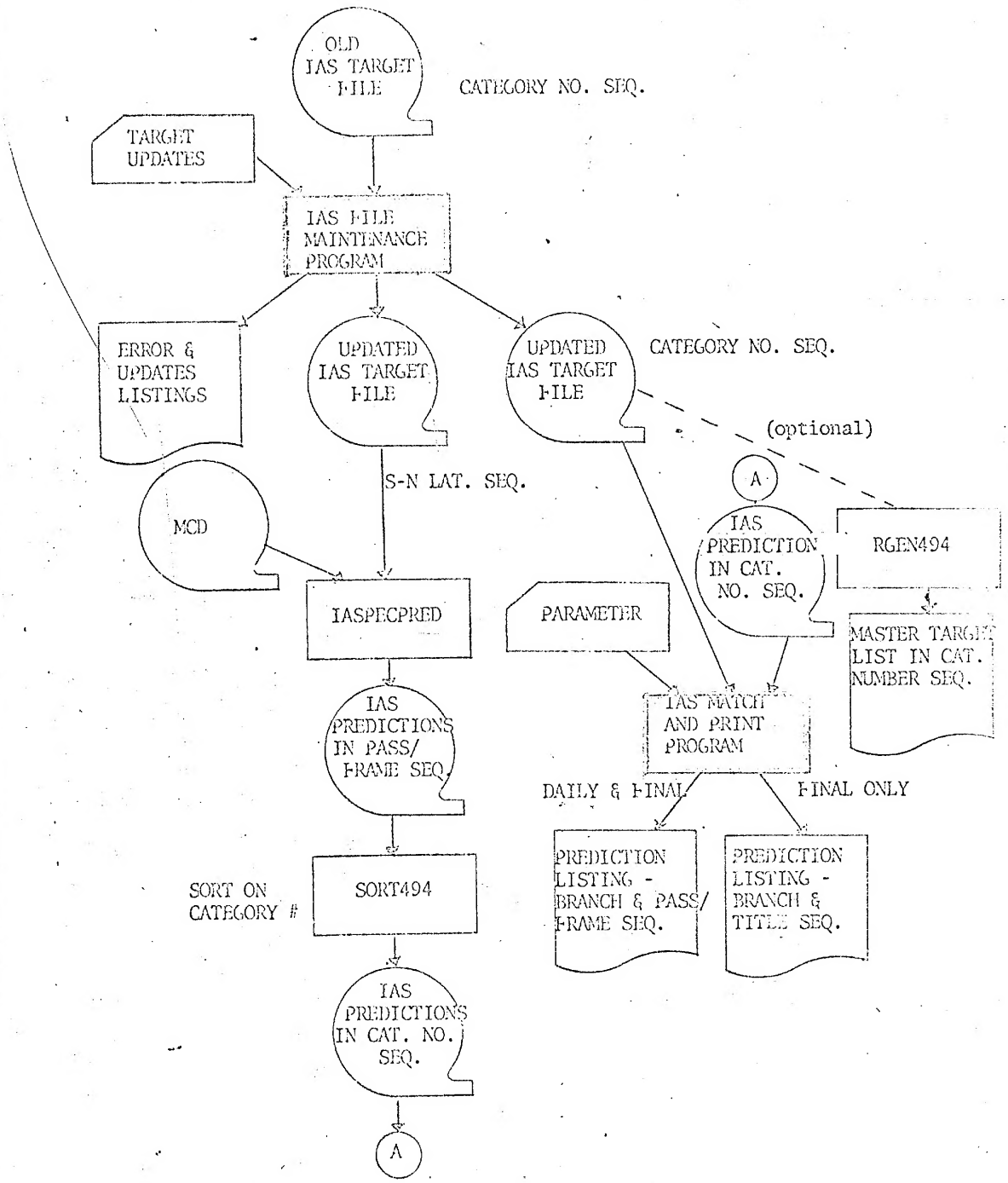
PROPOSED SYSTEM FLOW CHART



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